IN THE CLAIMS

1-82 (CANCELED)

83. (CURRENTLY AMENDED) A method for ~~identifying a~~ selecting one or more disease-influencing ~~gene~~ genes needed to be processed for medical research, comprising:

selecting individuals having a risk factor for a disease;

providing to each individual a communications apparatus;

sending queries to each individual through the apparatus;

receiving responses to the queries from the apparatus;

storing the responses of each individual;

defining a plurality of groups by categorizing the individuals having similar profiles based on the responses;

after defining said groups, ~~sequencing the genotypes of each individual in each group~~ receiving genotype information for individuals in each of said groups;

comparing said genotype information between said groups; and

~~comparing the genotypes of the individuals between each group to identify said disease-influencing gene~~ generating a report for presentation on a display that represents a subset of said genotype information associated with each of said groups.

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84. (CURRENTLY AMENDED) The method of Claim 83, wherein the queries are script-based and are ~~adjustable~~ assignable to each individual.

85. (CURRENTLY AMENDED) The method of Claim 84, wherein the queries are ~~adjustable~~ inserted into a script program with a script generator ~~using initial~~ and ~~updated responses received from~~ assigned to an individual using a script assignor.

86. (PREVIOUSLY PRESENTED) The method of Claim 83, wherein categorizing the individuals into groups includes one of the phenotypic classifications from the set of behavioral, environmental, and disease progression.

87. (CURRENTLY AMENDED) The method of Claim 86 wherein ~~the gene~~ differences in said genotype information between said groups is expressed by genetic expression among the phenotypic classifications.

88. (PREVIOUSLY PRESENTED) The method of claim 83, wherein the communication apparatus is connectable with a monitoring device configured to acquire physiologic data.

89. (PREVIOUSLY PRESENTED) The method of claim 88, wherein the monitoring device includes one of the set consisting of

a blood glucose meter, a respiratory flow meter, a blood pressure cuff, a weight scale, and a pulse rate monitor.

90. (CURRENTLY AMENDED) A system for ~~identifying a~~ selecting one or more disease-influencing ~~gene~~ genes needed to be processed for medical research, comprising:

a communications apparatus operable by an individual; and

5 a communication network in signal communication with the communications apparatus and a server, a workstation configured to send scripted queries, a genotyping system configured to provide ~~genome sequences~~ genotype information of the individual, and a patient profile system configured to receive responses from the

10 individual and ~~genome~~ genotype information analyses via the communications network and the server,

whereby ~~gene sequences from the genome analyses are~~ the genotype information is compared ~~with~~ based upon groups formed using the responses to the scripted queries in the patient profile

15 system to identify one or more individuals having a disease-influencing gene ~~in the individual~~.

91. (CURRENTLY AMENDED) The system of Claim 90, wherein the scripted queries ~~and~~ are ~~adjustable to~~ generated for the individual ~~using~~ using a script generator ~~configured to develop initial~~ and ~~updated queries in accord with responses from~~ assigned to the individual using a script assignor.

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92. (CURRENTLY AMENDED) The system of Claim 90, wherein the responses from the individual are <u>used to categorize the individual into one or more groups and the one or more groups are</u> compared with the ~~genome analyses~~ <u>genotype information</u> of the individual to categorize ~~each gene analysis~~ <u>said genotype information</u> according to disease progression.

93. (PREVIOUSLY PRESENTED) The system of Claim 92, wherein the disease progression includes non-insulin dependent diabetes.

94. (CURRENTLY AMENDED) A system for identifying <u>individuals having</u> a disease-influencing gene comprising:

at least one communications apparatus in signal communication with a monitoring device configured to measure physiologic and environmental conditions, the communications apparatus and monitoring device being operable by at least one individual; and

a communication network in signal communications with each communications apparatus and a server, a workstation configured to send scripted queries, a genotyping system configured to provide ~~genome sequences of each~~ <u>genotype information for the at least one</u> individual, and a patient profile system configured to receive responses and measurements from the <u>at least one</u> individual and ~~genome~~ <u>genotype information</u> analyses via the communications network and the server,

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whereby ~~gene sequences from the genome analyses are~~ the genotype information of the at least one individual is compared ~~with~~ based upon groups formed using the responses and measurements to the scripted queries in the patient profile system to identify one or more individuals having a disease-influencing gene ~~in each individual~~.

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95. (CURRENTLY AMENDED) The system of Claim 94, wherein the scripted queries ~~and~~ are ~~adjustable to~~ generated for each individual using a script generator ~~configured to develop initial~~ and ~~updated queries in accord with responses from~~ assigned to each individual using a script assignor.

96. (PREVIOUSLY PRESENTED) The system of Claim 94, wherein the monitoring device includes one of the set consisting of a blood glucose meter, a respiratory flow meter, a blood pressure cuff, a weight scale, and a pulse rate monitor.

97. (CURRENTLY AMENDED) The system of Claim 94, wherein the responses and measurements from each individual are used to categorized each individual with one or more groups and the groups are compared with the ~~genome analyses~~ genotype information of each individual to categorize ~~each gene analysis~~ the genotype information according to disease progression of each individual ~~into~~ in the one or more groups based on the responses and measurements sent by each individual.

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98. (PREVIOUSLY PRESENTED) The system of Claim 97, wherein the disease progression includes non-insulin dependent diabetes.